Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/14/2020 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122711	-2	1.94	122824	1.89
Blue	F	SSC	125000	123769	-1	1.75	124562	1.75
Blue	E	FITC	15892	15268	-4	2.79	332	19.34
Blue	D	PE	29999	29510	-2	1.95	643	14.33
Blue	B	PerCP-Cy5-5	43732	42988	-2	3.66	1159	20.15
Blue	A	PE-Cy7	30845	30546	-1	6.06	588	40.80
Red	C	APC	46112	45575	-2	2.47	1610	12.25
Red	A	APC-Cy7	30458	29575	-3	2.37	784	12.13
Violet	B	V450	7918	7525	-5	4.33	421	13.00
Violet	A	V500	32171	31061	-4	4.06	724	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17130	10.15	621	0	N/A	N/A	Pass
Blue	F	SSC	56418	1.30	564	5	N/A	N/A	Pass
Blue	E	FITC	60	63.54	542	-1	0.0224	154	Pass
Blue	D	PE	134	49.42	549	1	0.1827	306	Pass
Blue	B	PerCP-Cy5-5	212	49.42	655	-1	0.0092	54	Pass
Blue	A	PE-Cy7	108	100.82	698	0	0.0108	13	Pass
Red	C	APC	383	25.25	589	5	0.0236	113	Pass
Red	A	APC-Cy7	172	28.63	560	4	0.0053	689	Pass
Violet	B	V450	63	57.91	460	2	0.0498	1725	Pass
Violet	A	V500	108	31.28	477	3	0.0239	503	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.14	1.00
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.81	13.60 - 20.40	N/A	N/A	29.68	30.06	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10422

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments